



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE: Manufacturer Part Numbers Shown Are MOTOROLA



MODELS 1HA/2HA/5HA1508 (3674344)
(75 Matador)
1HT/2HT/5HT1510 (3678035)
(75 Gremlin, Hornet)
1RA/2RA/5RA1508 (3665161)
2RA/5RA1507 (3665160)
(75 Matador)
2RA/5RA1524 (3690420)
2RA/5RA1525 (3690421)
(75 Pacer)
5KJ1511 (5451456)
(75 Jeep Cherokee,
Truck, Wagon)

ALIGNMENT INSTRUCTIONS

AMERICAN MOTORS 1975 SERIES

Check for specified source voltage.

Use only enough generator output to provide a usable indication.

Suggested Alignment Tools:

T1, T2GC ELECTRONICS: #9296, 9297, 9300

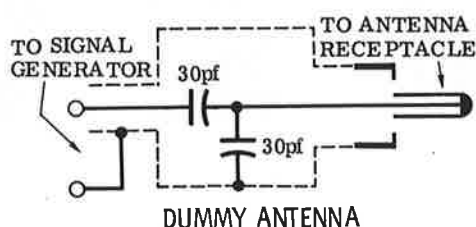
C1, C6A, C6BGC ELECTRONICS: #8290, 8868, 9087

PUSH-BUTTON ADJUSTMENT

1. Pull button out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining buttons.

GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
High side thru .1mfd to point A low side to ground.	262 kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T1, T2	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	C1, C6A, C6B	"
Tuner alignment is not necessary unless associated components have been disturbed. If necessary, back tuning cores L2, L3, L4 out of coils but not out of forms. Repeat step 2.					
Thru dummy antenna to antenna input.	1000kHz	Tune to signal	Output meter across voice coil.	L2, L3, L4	Adjust for maximum. Repeat alignment until no further improvement is noted.

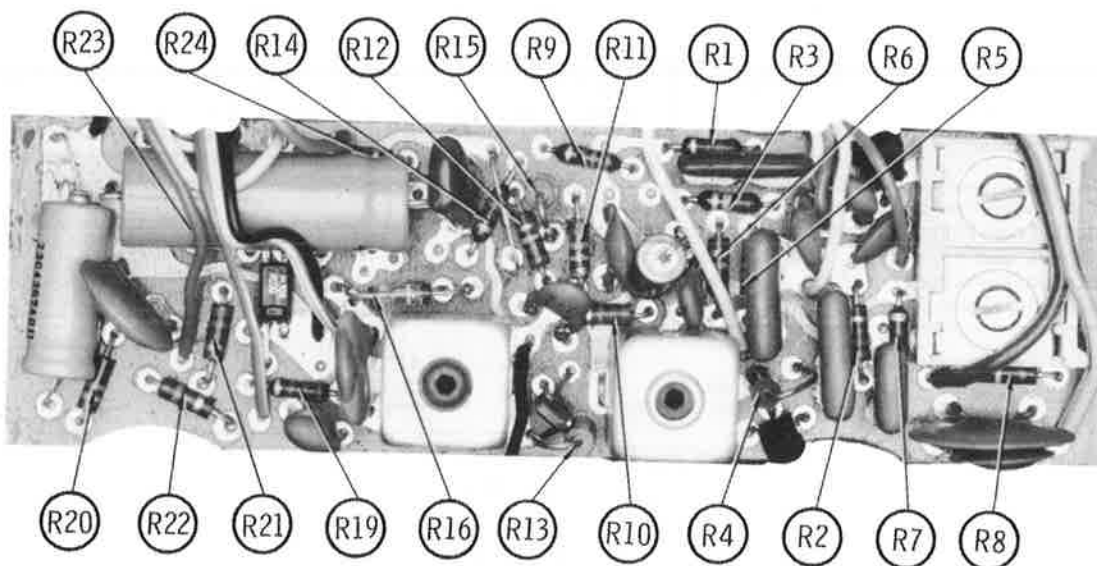
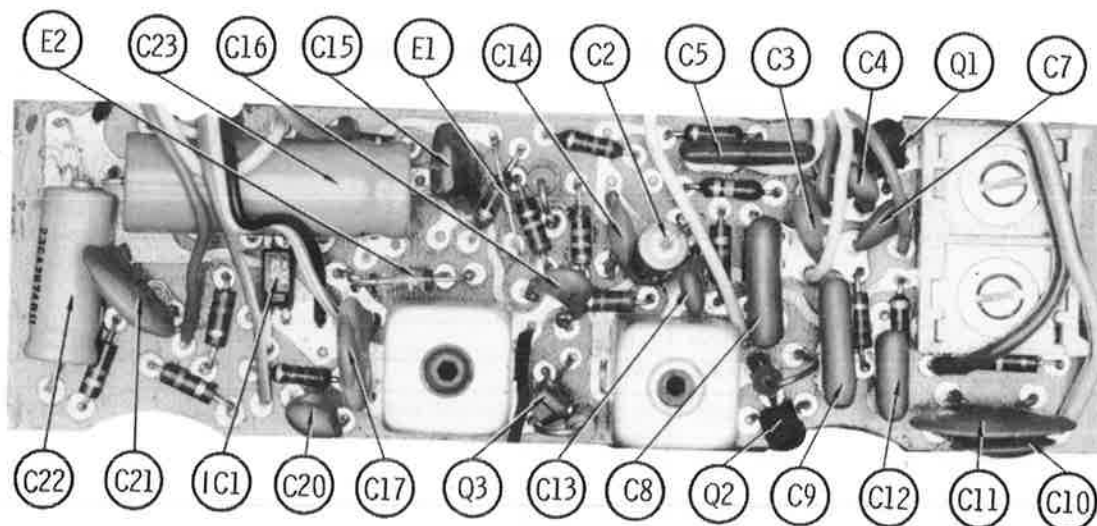
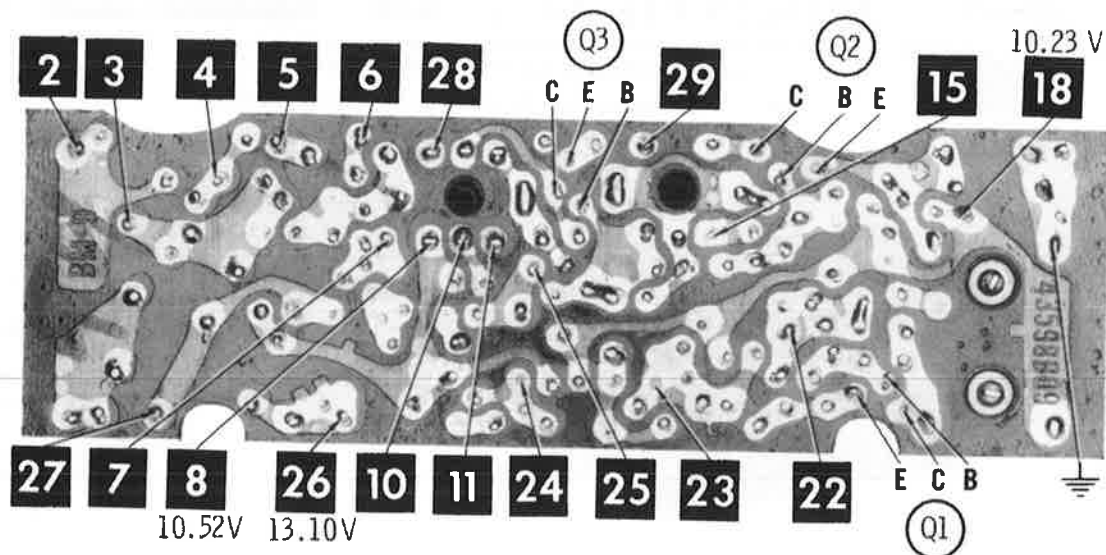
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400kHz and adjust C1 for maximum output. Antenna adjustment C1 is located behind Tuning & Dummy knob.



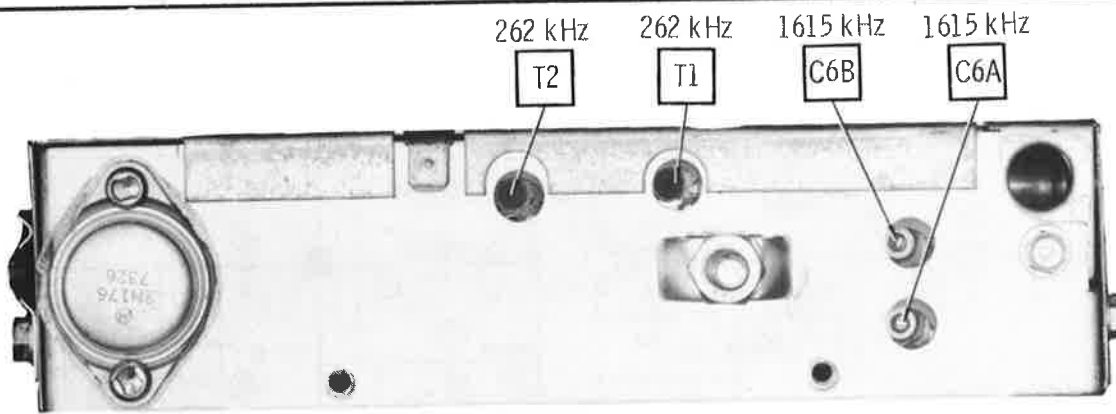
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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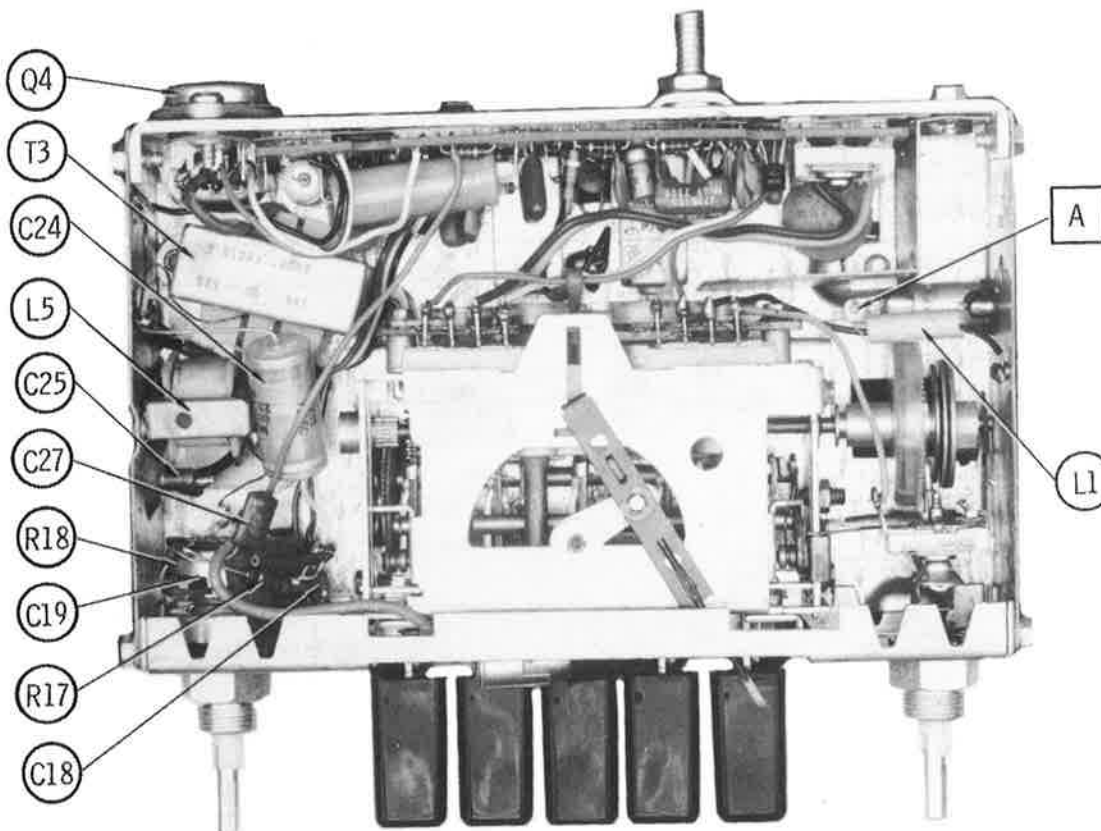
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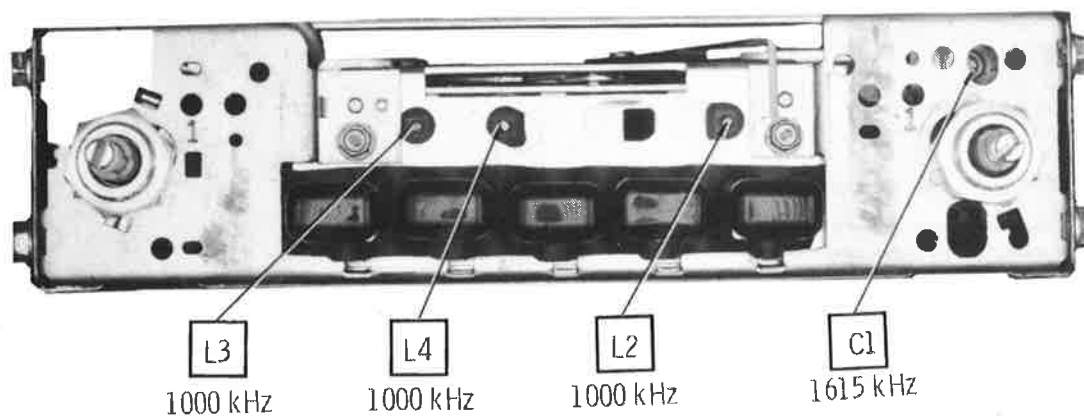
MAIN BOARD



CHASSIS - REAR



CHASSIS - TOP



CHASSIS - FRONT

(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results)

* Number on unit.
(1) Used in some versions.

ITEM No.	RATING	REPLACEMENT DATA					
		MFRG. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C2	47 10V	23-42674B20	RME-E-E-050	EP15-50	PC50-16	VTT47D16	EV-1226
C13	1 15V	23-43280A17				TDC105M035EL	SD35-19
C15	10 16V	23-42674B31 (3)	ME-1-E-010	EA15-10	WBR10-25	TT15X10	TVA-1145
C18	.1 15V	43280A14				TDC104M050EL	SD50-R109
C19	1 15V	23-43280A01				TDC105M035EL	SD35-19
C20	2 10V	23-43280A01				TDC225M020EL	SD25-2R29
C22	100 10V	23-42674B09	RME-E-E-100	EP15-100	PC100-10	VTT100E10	EV-1130
C23	400 16V	23-42674B10	ME-G500	EA15-500	WBR500-16	TC1505C	TVA-1162
C24	680 16V	23-41928A43	ME-G500	EA15-500	WBR500-16	TC1501C	TVA-1162

(3) Used in some versions.

ITEM No.	RATING	MFRG. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	30-220	20-40647C04 (1)					
	35-190	20-40647C08 (2)					
C3	33 N750 10%						
C4	330 10%		CCTN-330	DTN-33	N33	CN7433	10TCU-Q33
C5	.0047 10%		CCD-331	DD-331	GP330	GP333	10TS-T33
C6A	90-210	20-42280B06	CCD-472				10TS-D47
C6B	30-140						
C7	82 N750 5%						
C8	.01						
C9	.0047 10%		CCD-103	DC-103	GP10000	CN7482	10TCU-Q82
C10	160 N330 5%	(3)	CCD-472			MAG5011	2SS-S10
	120 NPO 5%	(3)	*			*	10TS-D47
C11	180 N330 5%	(3)	*	DTZ-120		CN0312	10TCC-T12
	220 N150 5%	(3)	*			*	10TCS-T18
C12	.0082 10%		1MDF-1-822			*	10TCT-T22
C14	800 10% 500V		CCD-821	CPJ-822	DPMS6D82	ENF1A282	1PB-D82
C15	.047		CCD-503	DD-821	GP820	GP382	10TS-T82
C16	220	(3)		DC-503	MGP05	MAG5015	TGL-S50
C17	.005			DTZ-220			10TCC-T22
C21	.01		CCD-502	DC-502	GP5000	TA250	2SS-D50
C25	.001 500V	21-560232	CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C26		64-561876					
C27	.02	(6)					
C28	.001 500V	21-560232 (4)	CCD-203	DC-203		MAG5012	2SS-S20
C29		64-41668A13 (5)					

- (1) Not used in Models 1/2/5HT1509.
- (2) Used in Models 1/2/5HT1509.
- (3) Used in some versions.
- (4) Models 2/5RA1507, 1/2/5RA1508, 2/5RA1524, 2/5RA1525.
- (5) Models 1/2/5RA1508, 1/2/5RA1510, 2/5RA1524.
- (6) Model 5KJ1511.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.

Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R18A B	Tone Volume/Switch	20K 10K Tap @ 5K	18-41803C07 18C41803C07 (5)	F1-25K, R16-10K, FFS014, RFS106, KR4		P24L, 3038, RU14T53, OX875A, IS1375, US4	BU5, CF62, CR497, SF40, SR77, GC
R26	Fader	30 2W	18-42081C02 (18)				

(5) Number on unit.

(18) Used in Models 2RA150B (3665161), 2HT1510 (3678035), 2RA1524 (3690420).

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Ant Choke (2uH)	24-40788A12 (1)		4604	(1) Not used in Model 5KJ1511.
L2	Ant Choke (1.5uH)	24-40788A04 (2)		4604	(2) Used in Model 5KJ1511.
L3	Antenna	(3)			(3) Part of M1 (Tuner).
L4	RF	(3)			
L4	Oscillator	(3)			
T1	IF (262kHz)	24-40310B13	24D40310B13		
T2	IF (262kHz)	24-40310B14	24D40310B14		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L5	690mA	1.4	6.8mH	25D43869B20 25-41894B33 (1)			(1) Used in some versions.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.		MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T3	15 Tap @ 3.2		25D41448C15 25-41448C23 (1)			(1) Used in some versions.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	4" X 10" PM, 3.2 Ohms	50-43192C01		Front: 1/2/5RA1505
	4" X 10" PM, 3.2 Ohms	50-43932C01		Front: 1/2/5HT1509, 1/2/5HT1510
	5" X 7" PM, 3.2 Ohms	50-40029C05		Front: 5KJ1511
SP2	4" X 10" PM, 3.2 Ohms	50-43142C01		Rear: 1/2/5RA1508
	4" X 10" PM, 3.2 Ohms	50-43932C01		Rear: 1/2/5HT1509, 1/2/5HT1510
	5" X 7" PM, 3.2 Ohms	50-40029C05		Rear: 5KJ1511

AMERICAN MOTORS 1975 SERIES

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
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FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	Fuse 5 Amp	65-122345	9-42176A09	AGA5	HAF	301005	150145	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuner Tuning Coil Assembly Printed Circuit Board	77-41900C43 77-41900C46 77-41900C17 77-41900C50 77-41900C42 1-41800C67 84-43598B09	AS283; 2/5RA1507, 2/5RA1525 AS285; 1/2/5RA1508, 2/5RA1524 AS237; 1/2/5HT1509 AS293; 1/2/5HT1510 AS274; 5KJ1511 W/Mounting Plate Without Components

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Escutcheon (3) (4) (8)	1-40400F76	Push-button, Tuning (1) (2) (6) (7)	38-42185B02
Escutcheon (5)	13-42330C03	Push-button, Tuning (3) (4) (5)	38-42185B01
Dial Scale (1) (2) (6) (7)	61-43062C02	Knob, Volume/Tuning (2) (5)	36-42734C02
Dial Scale (5)	34-42329C04	Knob, Volume/Tuning (3) (4)	36-40363C01
Dial Pointer Assembly (1) (2) (6) (7)	52-40281C23	Knob, Tone/Fader (2)	36-43939C01
Dial Pointer Assembly (3) (4)	52-40281C22	Knob, Tone/Fader (3) (4)	36-40362C01
		Knob, Tone (5)	36-40039B01

- (1) 2RA1507, 5RA1507.
 (2) 1RA1508, 2RA1508, 5RA1508.
 (3) 1HT1509, 2HT1509, 5HT1509.
 (4) 1HT1510, 2HT1510, 5HT1510.
 (5) 5KJ1511.
 (6) 2RA1524, 5RA1524.
 (7) 2RA1525, 5RA1525.
 (8) Includes dial scale.

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Shielded Hook-up Wire	Use BELDEN No. 8885
Rear Seat Speaker Extension Cable	Use BELDEN No. 8782 (Stranded) Coded Parallel Leads
Bonding Strap	Use BELDEN No. 8661 (3/8 In.) or 8670 (3/4 In.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets